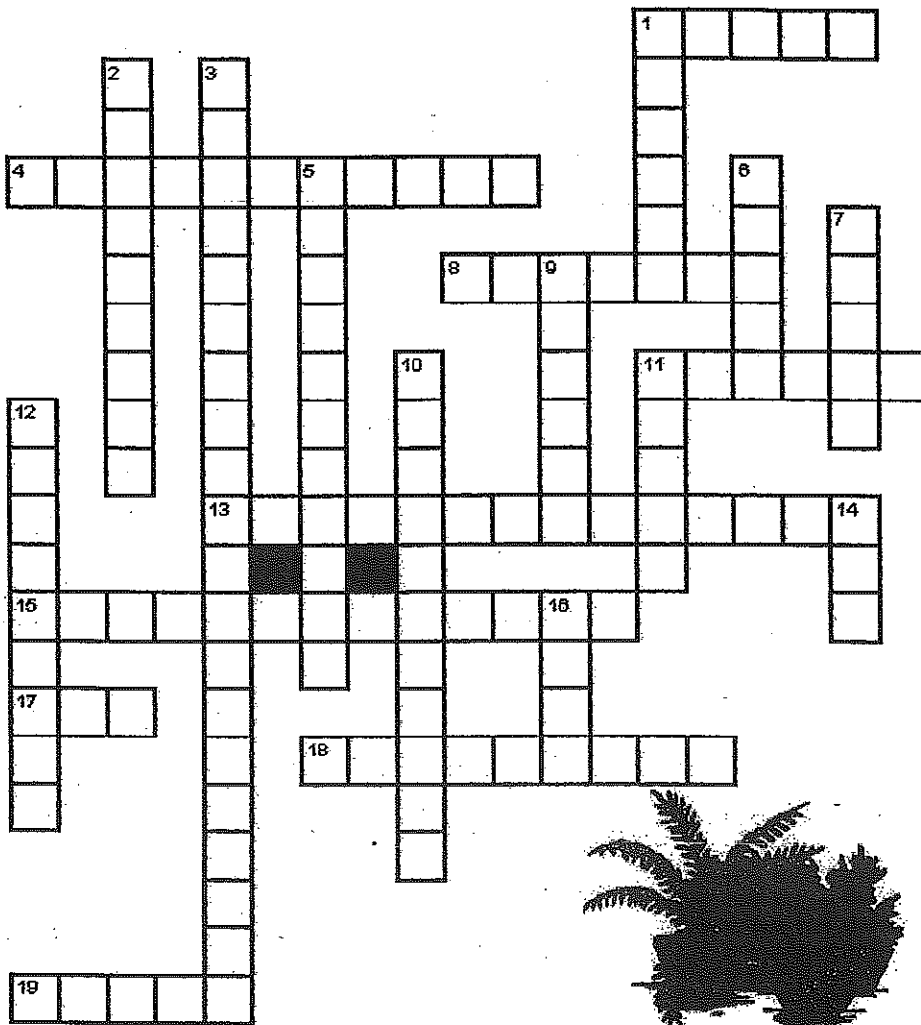


PHOTOSYNTHESIS



Across

- 1 The product of photosynthesis. (5)
- 4 Process by which carbon circulates around the earth as plants remove carbon from the atmosphere and animals add carbon to the atmosphere. (6,5)
- 8 Specialized structures that allow gas to enter and leave the leaf. (7)
- 11 Part of the plant where photosynthesis generally occurs. (6)
- 13 The process by which plants and some bacteria use the energy from sunlight to produce sugar. (14)
- 15 A compound needed for photosynthesis. (6,7)
- 17 Molecule used to store energy. (3)
- 18 flattened sacs or vesicles containing photosynthetic chemicals (9)
- 19 Chlorophyll absorbs every color of sunlight except this. (5)

Down

- 1 Place where dark reactions occur. (6)
- 2 An animal that eats plants. (9) *Opposite of Carnivore*
- 3 the process of converting energy from a light-excited electron into the pyrophosphate bond of an ADP molecule. (20)
- 5 A group of accessory pigments that includes beta-carotene. (11)
- 6 Place where light reactions occur. (5) *A stack of Thylakoids*
- 7 A compound needed for photosynthesis. (5)
- 9 A by-product of photosynthesis. (6)
- 10 A plant pigment that absorbs sunlight. (11)
- 11 This reaction requires direct energy of sunlight to make energy carrier molecules. (5)
- 12 The links between the energy that carnivores get from eating to the energy captured by photosynthesis. (4,5) *Answer: Food chain*
- 14 Number of molecules of oxygen produced along with one molecule of sugar. (3)
- 16 Reaction that occurs when the products of the Light Reaction are used to form C-C covalent bonds of carbohydrates. (4)